MULTIMEDIA UNIVERSITY®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2018 / 2019

PCA0074 - COMPUTER APPLICATIONS IN BUSINESS

(Foundation in Management)

29th MAY 2019
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 4 pages (excluding cover page) with 5 Questions only.

2. Attempt **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Write your answers in the Answer Booklet.

QUESTION 1 [20 Marks]

a. A personal computer (PC) is a multi-purpose computer whose size, capabilities, and price make it feasible for individual use. Personal computers are intended to be operated directly by an end user. What are the standard components to consider when buying a personal computer? Elaborate.

(20 marks)

QUESTION 2 [20 Marks]

a. Figure 1 below consist of 5 images of input and output devices. Explain any **TWO (2)** input devices and **ONE (1)** output device.

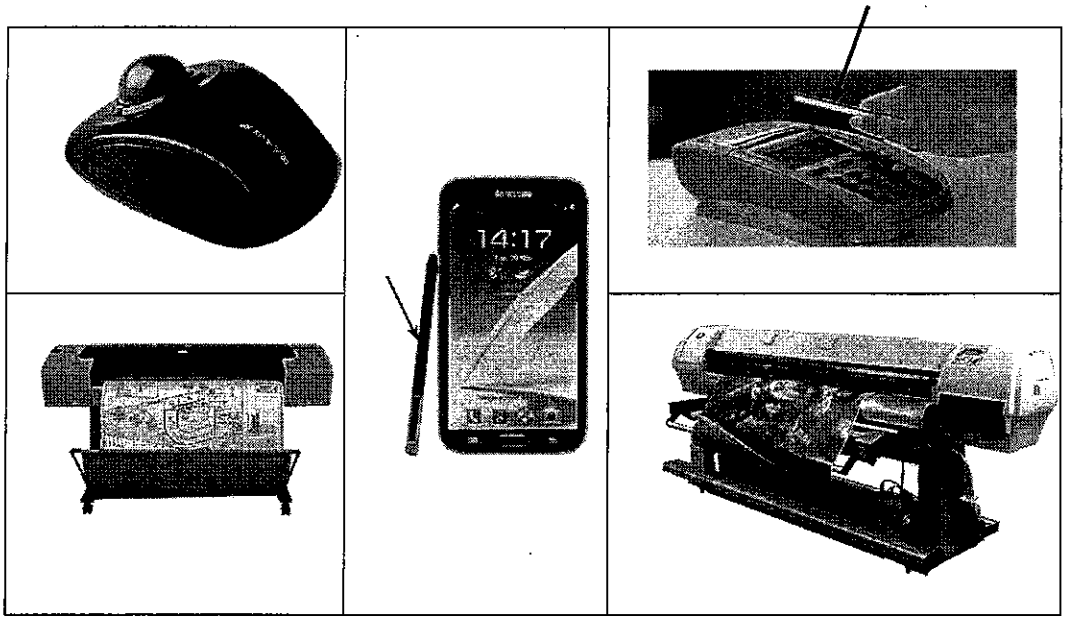

Figure 1

(15 marks)

b. Based on **Figure 1**, list **TWO (2)** devices that would likely be used in an advertising company. Provide justifications.

(5 marks)

Continued...

QUESTION 3 [20 Marks]

a. The productivity of a computer system depends on how the operating system handles programs. Explain the following processes /terms used for managing programs.

i. Single-tasking and multitasking
ii. Foreground and background
iii. Single user and multiuser

(18 marks)

b. Figure 2 below shows a new printer that is connected to a personal computer. In order for the printer to work, device X needs to be installed. Name the device and explain the function.

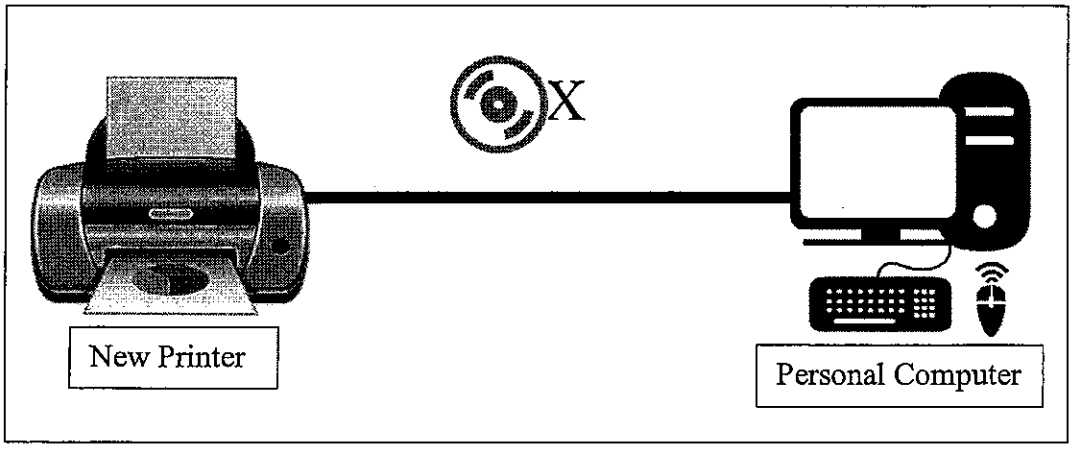

Figure 2

(2 marks)

QUESTION 4 [20 Marks]

a. Illustrate a simple network with 2 mobile devices (smartphone and tablet) connected to a router wirelessly. In the same network, 2 desktop computers connect to the router through a wire. The router is then connected to an Internet Service Provider.

(15 marks)

b. How is 4G network different from 3G network?

(5 marks)

Continued...

QUESTION 5 [20 Marks]

a. Answer the following questions based on Figure 3.

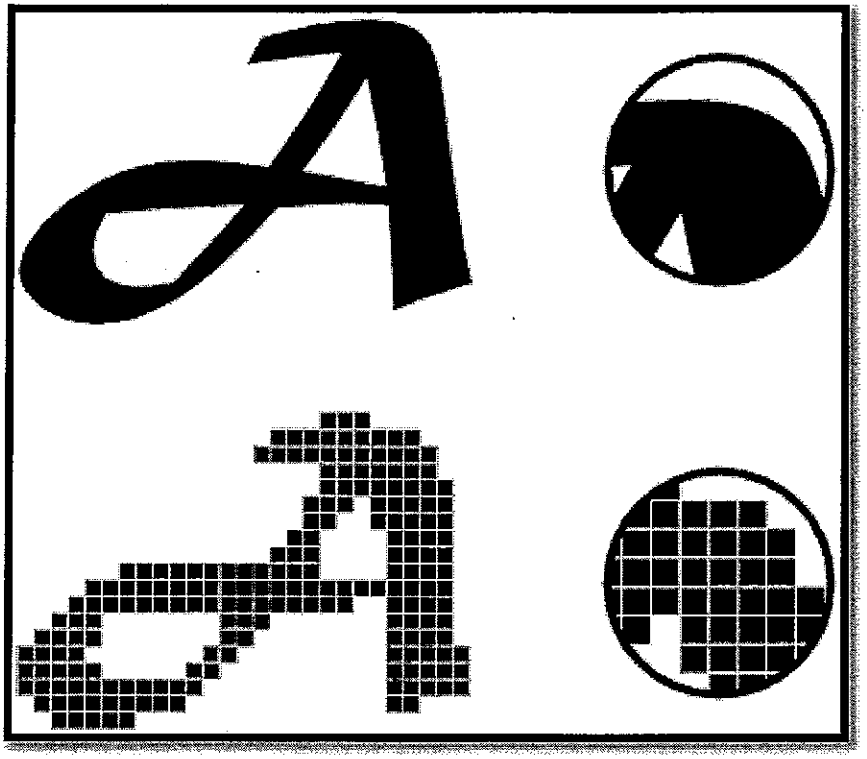

Figure 3

i. Is Figure 3 a bitmap or vector graphic? Explain. (4 marks)

ii. Explain **ONE (1)** advantage of the above graphic. (3 marks)

iii. Explain **ONE (1)** disadvantage of the above graphic. (3 marks)

Continued...

b. Assuming you are an employee for a company and you receive the following email from your company's IT Security department.

> A new threat, NRSMiner (Trojan.Win32.Miner) has affected several computers within this organisation. NRSMiner is also capable of self-spreading and comes with a self-updating feature. If affected, your computer may experience slowdowns, overheating, and other types of unwanted side effects.

i. What is a malware?

(3 marks)

ii. What is the name of the malware in the email above?

(1 mark)

iii. Why is the malware dangerous?

(2 marks)

iv. List some prevention actions to lessen this type of threat.

(4 marks)

End of Paper